

INTERFACE DESIGN FOR CONTROL USING COMPUTER stoplight

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ABSTRACT

Computers, which was known and in use today are generally only used to run application programs of a general nature only, such as: Word, Exel and the lainya.sebenarnya computer can be used widely as a controller or an external regulator, such as traffic light controllers, temperature measurement and the other.

Computers communicate with the "outside world" must first pass through the interface means (interface). Interface is a tool to bridge between the computer and the outside world. In order for an interface is not a problem inside the computer it is necessary to place a specified address into the computer interface.

The interface is often used in the design is a Programmable Peripheral Interface IC 8255 (PPI 8255), because price is cheap and easy to use. Interface inside the computer can not run without the software. Software at the traffic light controller is used to mengendlikan traffic lights to match the desired light conditions. So, with that traffic lights may reduce congestion on the roads at junction terutuama.

Keywords: Interface (interface), PPI 8255

